

MAY 8 1997



HYPERSTRUCTURE WORKSHOP #4.

Ted,
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Kei's diagrams

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written by Keiichi. 5/7. 1997

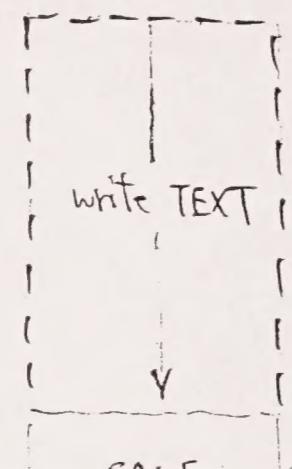
Front-end



< Routines >

- Break current pointer (if inserted)
- Accept new string
- Make a pointer
- Take new strings from keyboard

[Actual input]

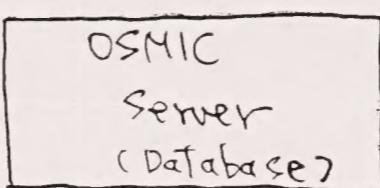


[Deliver strings to]

SAVE

BACK-END

Back-end



FROZEN DATA

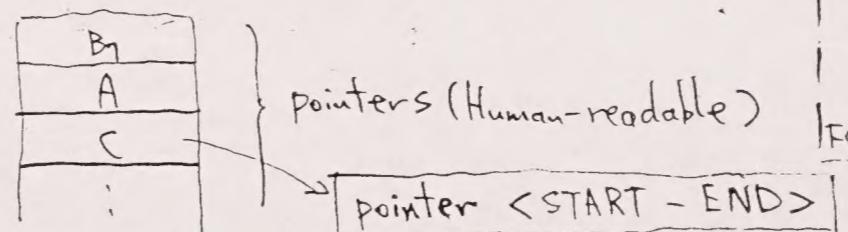
< Routines >
1. Append to FROZEN DATA

2. Create a pointer
(Receiving data from EDITOR)

NEED TO
MAKE A PROTOCOL.

Append-Read ONLY

VIRTUAL DOCUMENT

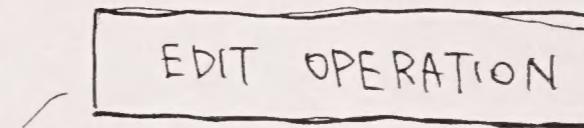


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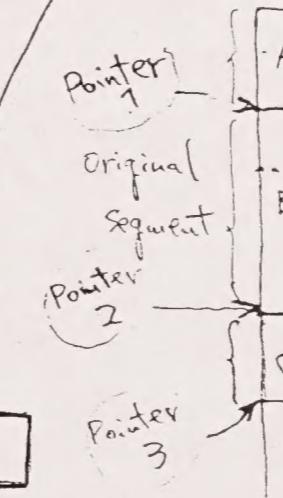
1

[by Keiichi, 97.05.07]

(EXCELLENT.)
-T



FROZEN DATA

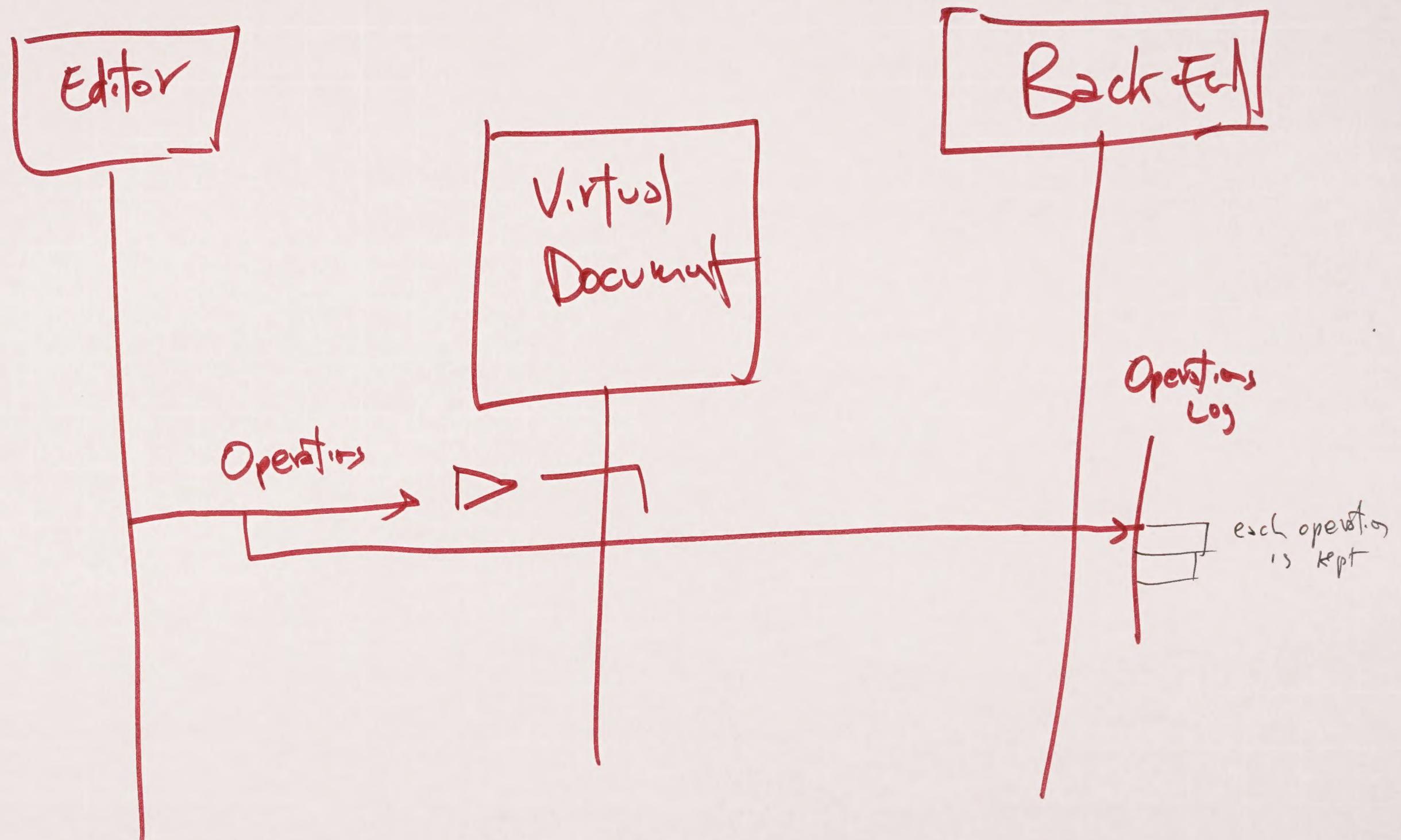


split data (by byte-offset)

< Routine >

First, we select
POINTER NUMBER

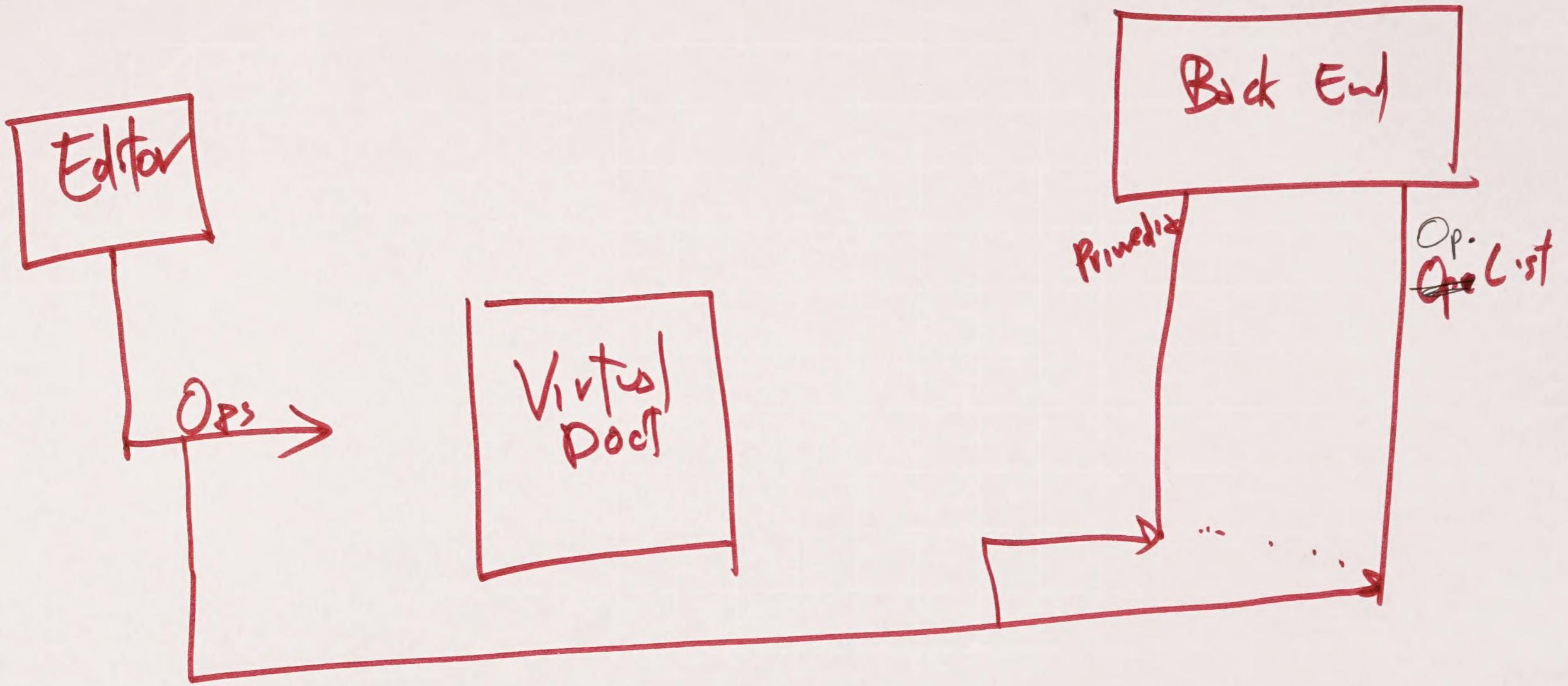
Next, we split it
BY BYTE-OFFSET.



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Redrawing plst

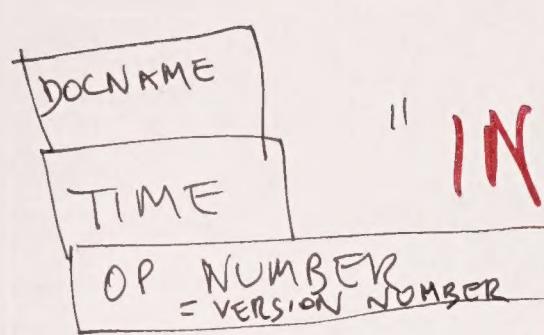


STORED INSETRION	
DOC#, VERSION #N	INSETION POINTER TO MATERIAL
	TIME

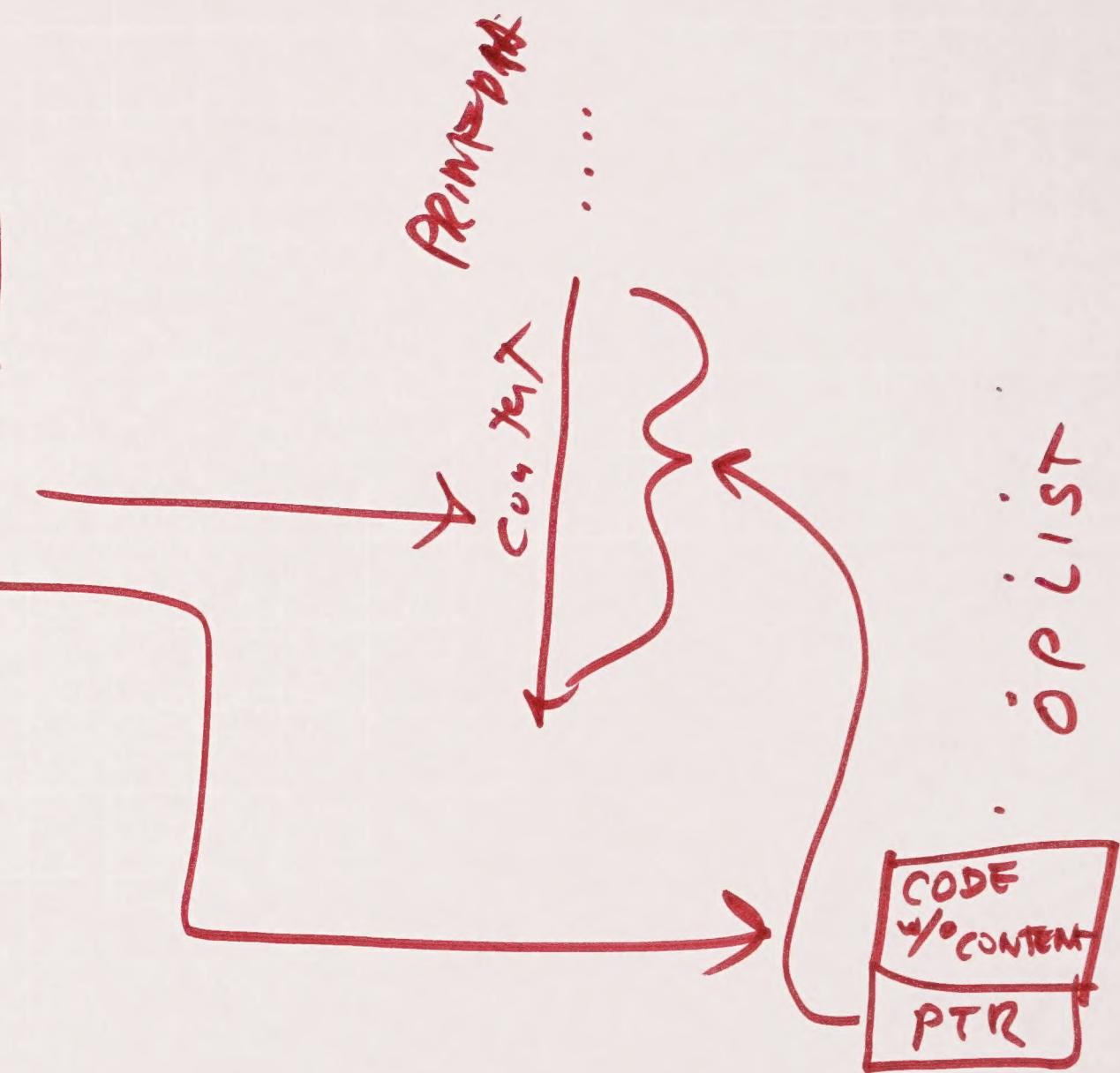
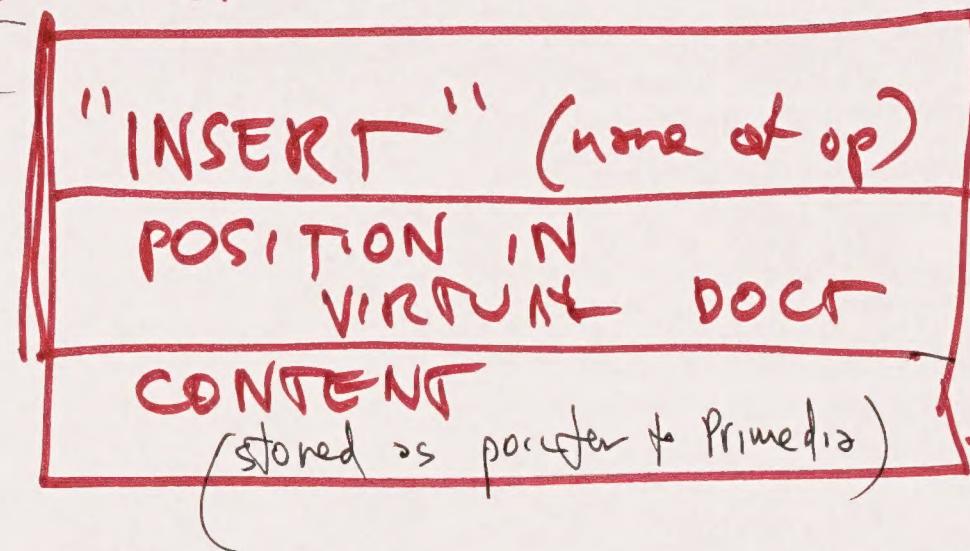
+

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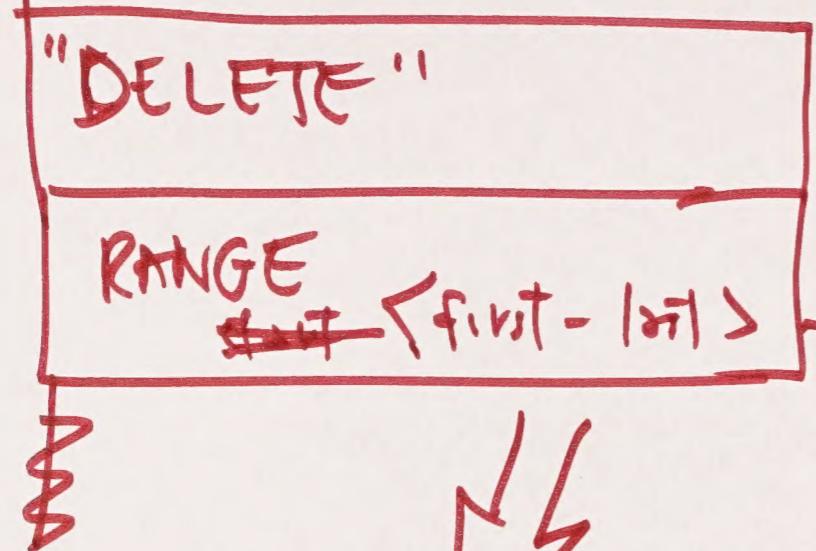
4



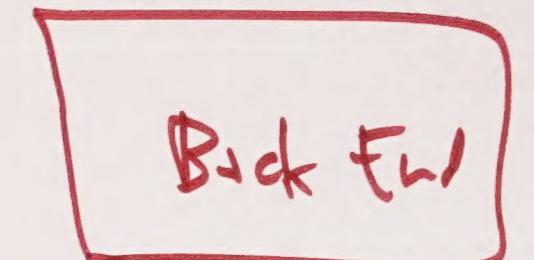
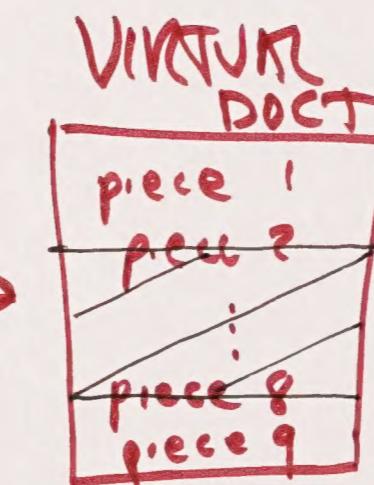
"INSERT" CODE



DELETION CODE



POSITIONS IN
VIRTUAL DOCT
(known
to editor)



Primed Media Pool



store

TRANSLATE
TO
PRIMED MEDIA
ADDRS

TRANSLATE
TO
PRIMED MEDIA
ADDRS

INSERT: location + NEW STRING

ONLY OP THAT AFFECTS PRIMEDIA

TRANCLUDE

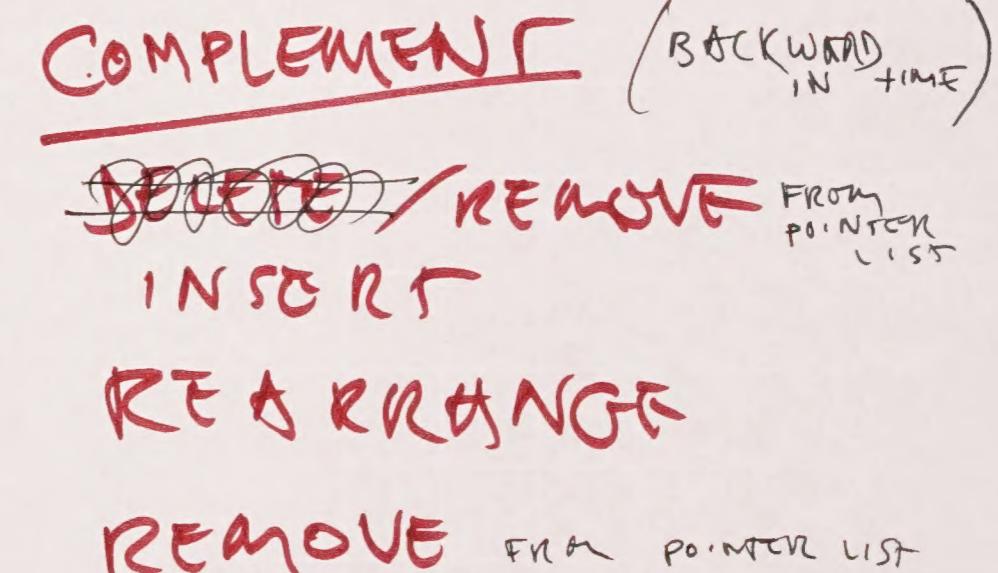
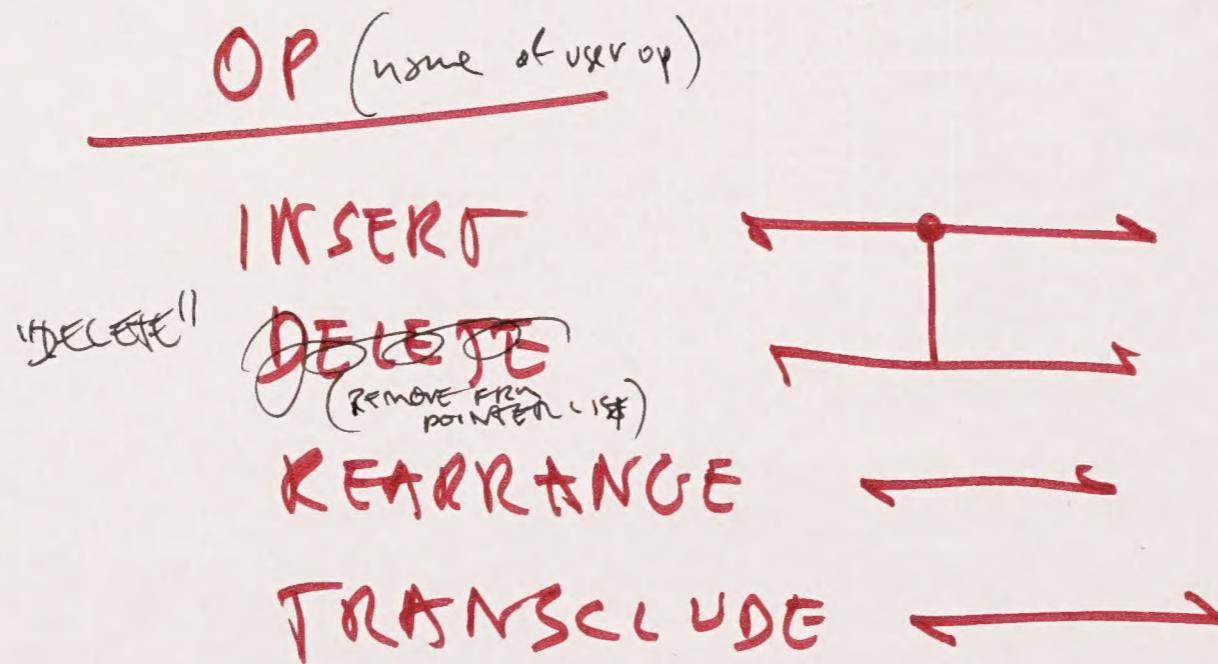
insert (in virtual document)
SECTION OF POINTERS

NO NEW MATERIAL,
POINTS TO same primedia.

DELETE
REARRANGE

DON'T AFFECT
FROZEN MEDIA.

We need to STORE THE OP CODE
so it can be used
FORWARD IN TIME
OR
BACKWARD IN TIME



→ Can anyone relate this
to Group Theory?

(Document: Metaphysical Collection
with a common name)

→ VERSION CAN CHANGE TO ANOTHER VERSION
[the operative unit]

INTEGER VERSIONS

1, 2, ... 95

TO GO TO BRANCHING VERSION

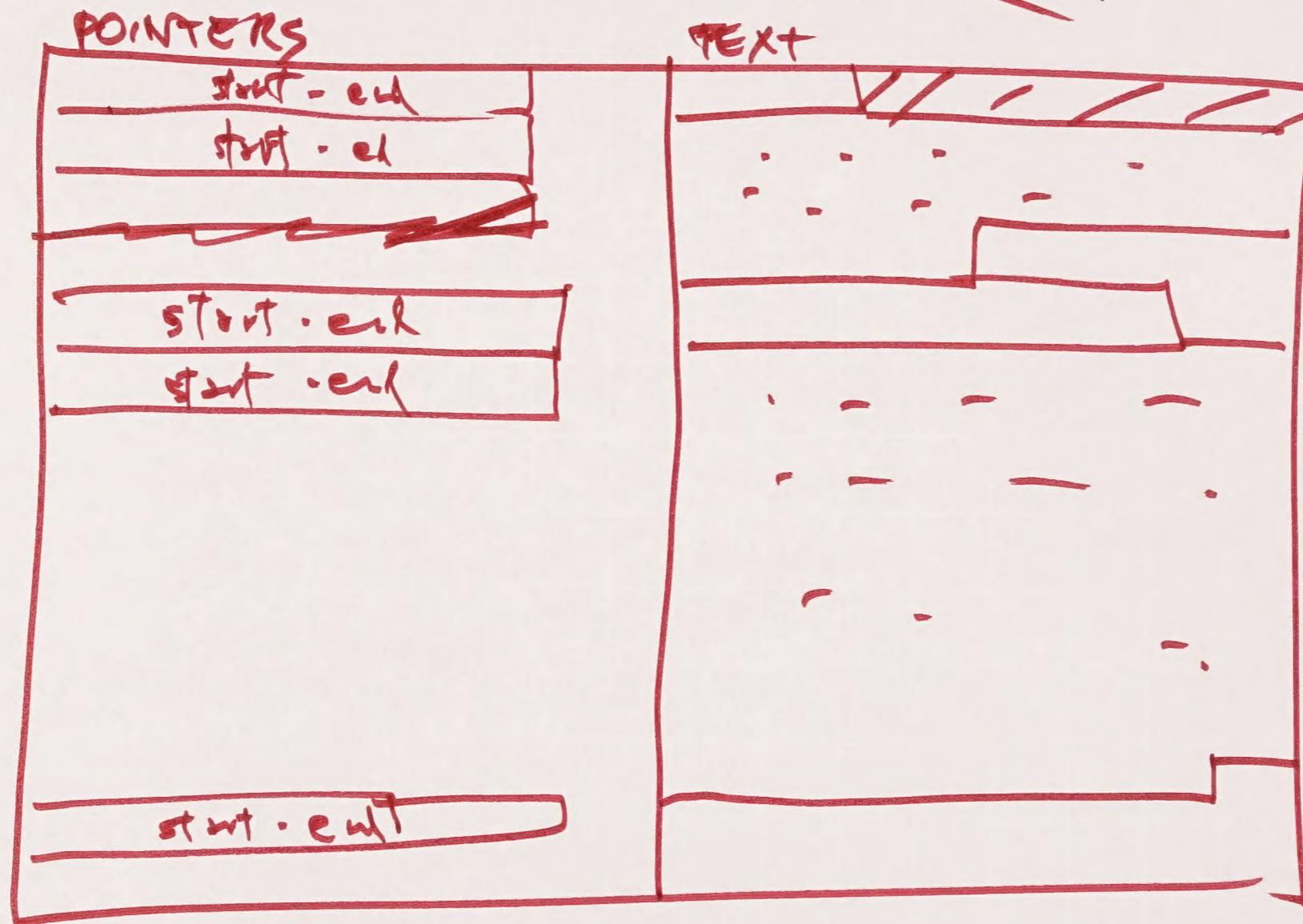
~~SIMPLY INTEGER TRACK~~
~~BUT NAME~~

~~COUNT THE CHANGES
TO EACH VERSION~~

KEEP TRACK OF
LATEST BRANCHES,
LAST VERSION, LEAVES of tree
SOMEHOW?

NAME OF VERSION IS THE LIST OF CHANGES

OSMIC-AWARE PRELIM. EDITOR (in emacs?)

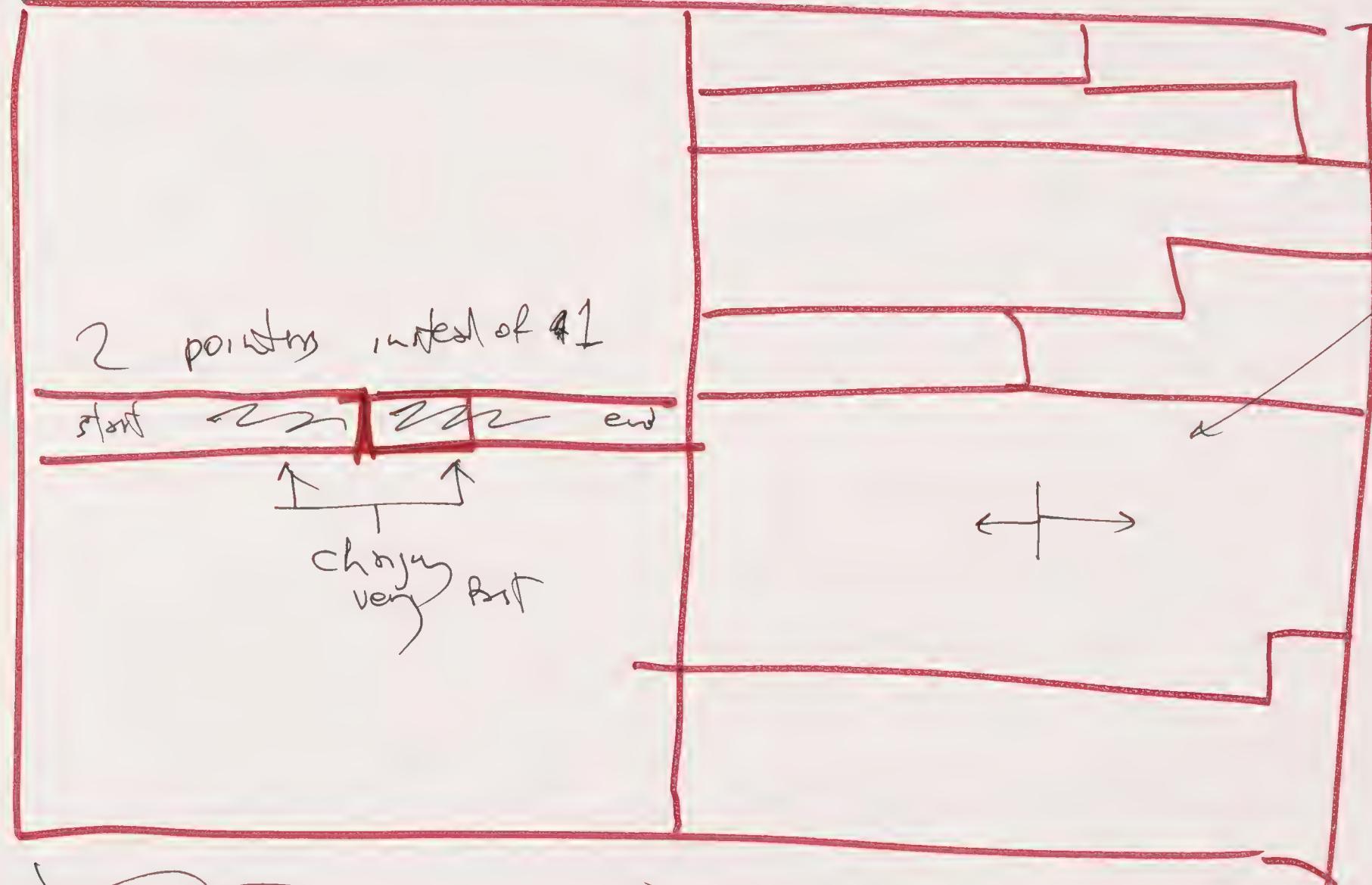


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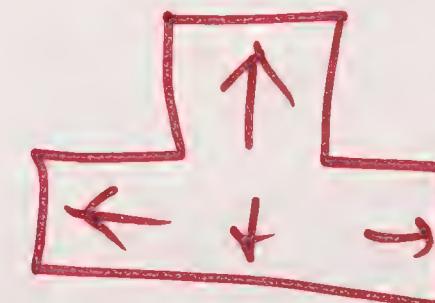
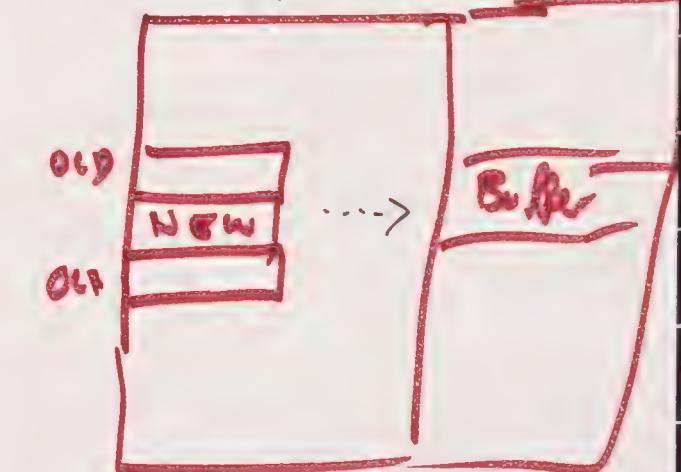
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CURSOR OPERATION ?

Visual movement of cursor in text, in one panel,

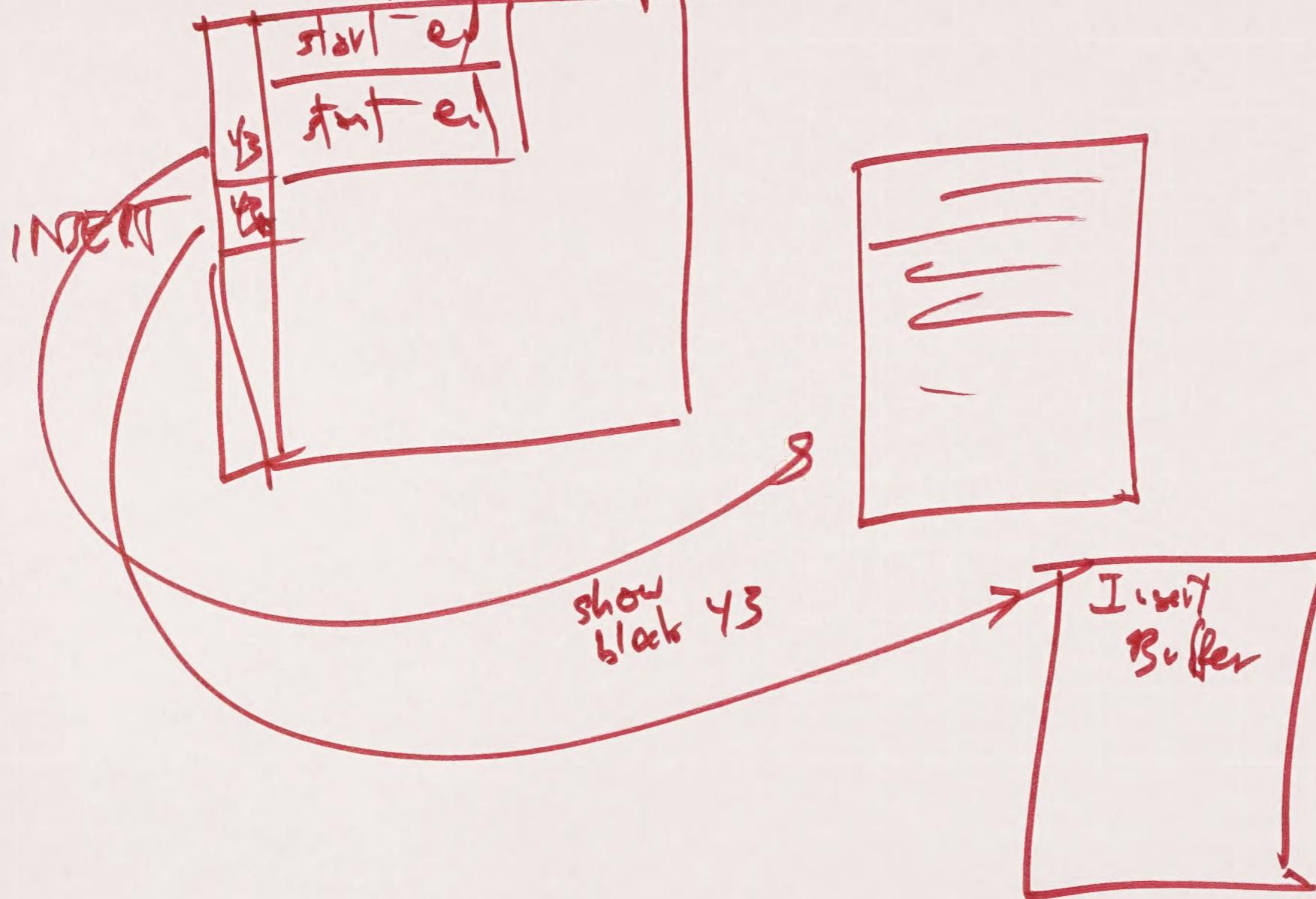


If you **START TYPING**,
two pointers are frozen
and a new one is inserted



SIMPLER EDITOR

PERL WINDOW:
virtual doc^ts



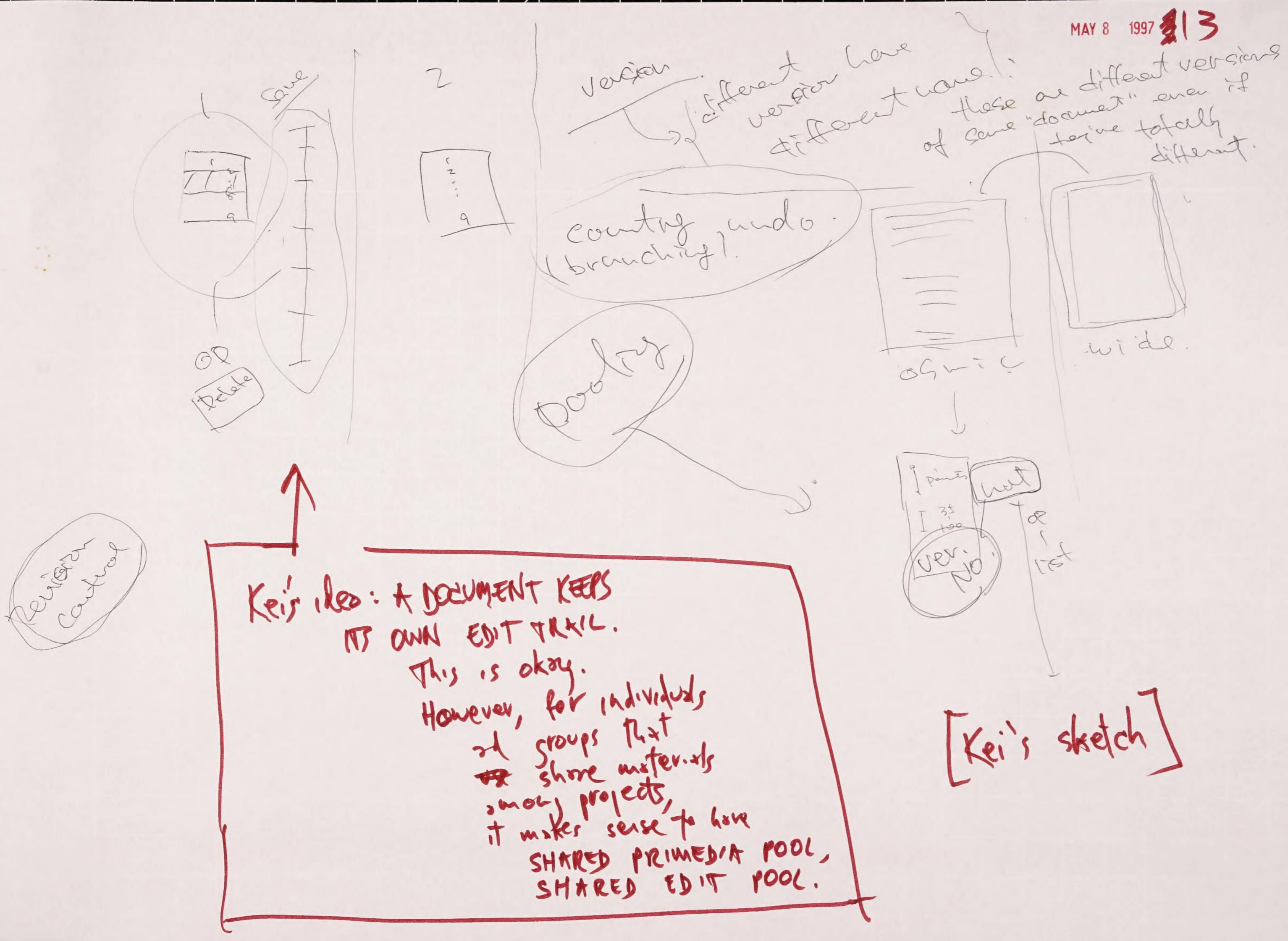
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Kei: IF WE USE ELISP,
IT'LL WORK WITH NIFONGO.

Therefore = Emacs editor
rather than Perl-based editor.



WHAT MACHINE TO USE?

The one at Kei's lab?

